PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

UTILITY	Attorney	Docket No.	1875.4140000 Amit P. AGRAWAL			
PATENT APPLICATION TRANSMITTAL y for new nonprovisional applications under 37 CFR § 1.53(b))	First Inv	entor				
	Title	High Data Rate Differential Signal Line Design for Uniform Characteristic Impedance for High Performance Integrated Circuit Packages				
	Express					

						9	=		
	-		PLICATION ELEMENTS 600 concerning utility patent application contents.	AL	DDI	Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450			
		(Submit an origi	ttal Form (e.g., PTO/SB/17) inal, and a duplicate for fee processing) aims small entity status. 1.27.		— Nucl	CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) ucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	m		
3.		- Descriptive title - Cross Reference - Statement Regaler - Reference to se	gement set forth below) e of the Invention se to Related Applications arding Fed sponsored R & D squence listing, a table, program listing appendix		a. [b. S	Computer Readable Form (CRF) Specification Sequence Listing on: i.			
			y of the Invention			ACCOMPANYING APPLICATION PARTS			
		- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure			Assignment Papers (cover sheet & documents)				
ı	\boxtimes		35 U.S.C. 113) [Total Sheets 3]	10.	L	37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)			
5.		h or Declaration	Total Pages	11.		English Translation Document (if applicable)			
			m a prior application (37 CFR 1.63(d))	12.		Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations			
i	•		nuation/divisional with Box 18 completed)	13.		Preliminary Amendment			
		Signed statement a	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§	14.	X	Two (2) Return Receipt Postcards (MPEP 503) (Should be specifically itemized)			
		1.63(d)(2) and 1.33(b).				Certified Copy of Priority Document(s) (if foreign priority is claimed)			
6.		Application D	ata Sheet. See 37 CFR 1.76.	16.		Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must atta form PTO/SB/35 or its equivalent.	ach		
				17.	\boxtimes	Other: Authorization under 37 C.F.R. § 1.136(a)(3)			
						Other: The name of the assignee is: Broadcom Corporation			
18		a CONTINUING ta Sheet under 37		oly the i	equi	quisite information below and in a preliminary amendment, or in an Applicat	ion		
	Continuation Divisional Continuation-in-Part (CIP) of prior application No:/ Prior application information: Examiner Group/Art Unit:								
co	For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
			19. CORRESPO	ONDE	NC	CE ADDRESS			
	Customer Number or Bar Code Label Customer No. 26111 PATENT TRADEMARK OFFICE								
N	AME		STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.						
			Attorneys at Law						
N	AME	(Print/Type)	Theodore A. Wood		R	Registration No. (Attorney/Agent) 52,374			
S	IGNA	TURE	oller a. M.Q.			Date June 25, 2003			
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This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (05-03)

Approved for use through 4/30/2003. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL		Application Number				To Be Assigned						
for FY 2003		Filing Date				Herewith	Herewith					
Patent fees are subject to annual revision.		First Named Inventor				Amit P. AC	Amit P. AGRAWAL					
	. 1	Exa	Examiner Name To B Assigned									
applicant claims small entity status. See 37 CFR 1.27		Art	Unit									
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☐ Check ☑ Credit card ☐ Money Order ☒ Other** ☐ None ** Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.			3. ADDITIONAL FEES Large Entity Small Entity									
Deposit Account Deposit Account Number 19-0036			e Fee) Cod			Fee Description			Fee Paid			
Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	105	1	130	2051	65	Surcharge - late filing f	ee or oath	×.				
The Commissioner is authorized to: (check all that apply)	1502	2	50	2052	25	Surcharge-late provision	rcharge-late provisional filing fee or cover					
☐ Charge fee(s) indicated below ☐ Credit any over payments	105	3	130	1053	130	Non-English specificat	nglish specification					
☐ Charge any additional fee(s) during the pendency of this	181:		,520		2,520		ing a request for ex parte reexamination					
application	1804		920*	1804	920*	Requesting publication	esting publication of SIR prior to Examiner					
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	180	5 1,	,840*		1,840*	action	esting publication of SIR after Examiner					
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1002 330 2002 165 Design filing fee						,	juest for oral hearing					
1003 520 2003 260 Plant filing fee	145				1,510		lition to institute a public use proceeding					
1105 160 2005 80 Provisional filing fee	145	2	110	2452	55	Petition to revive - una	ion to revive - unavoidable					
	145	3 1	,300	2453	650	Petition to revive - unit	ntentional					
SUBTOTAL (1) (\$) 750.00	150	1 1	,300	2501	650	Utility issue fee (or reis	sue)					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	150	2 -	470	2502	235	Design issue fee	n issue fee					
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Total Claims 20 - 20** = 0 X 18.00 = \$0.00												
Indep. Claims 2 - 3** = 0 X 84.00 = \$0.00	146	0	130	1460	130	Petitions to the Comm	ns to the Commissioner					
Multiple Dependent =	180	7	50	1807	50	Processing fee under	ssing fee under 37 CFR 1.17(q)					
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and over original patent						application		J	L			
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**or number previously paid, if greater; For Reissue, see above	* Re	duce	ed by I	Basic I	Filing F	ee Paid	SUBTOTAL	(3) (\$) <u>40</u>	0.00			
SUBMITTED BY					•		Complete (if	applicable)				
Name (Print/Type) Theodore A. Wood	Regi (Atto	istration No.						-371-2600				
Signature Whe E. W.C.							Date June 25, 2003					



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Ifacy-Gene G. Durkin Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcorn Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger Judith JJ. Kim
Timothy J. Shea, Jr.
Patrick E. Garrett
Jeffrey T. Helvey*
Heidi L. Kraus
Edward W. Yee
Albert L. Ferro*
Donald R. Banowit
Peter A. Jackman
Mofly A. McCall
Teresa U. Medler
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Albert J. Fasulo II*
Eldora Ellison Floyd
Thomas C. Fiala
Brian J. Del Buono

Virgil Lee Beaston'
Kimberly N. Reddick
Theodore A. Wood
Elizabeth J. Haanes
Bruce E. Chalker
Joseph S. Ostroff
Frank R. Cottingham
Christine M. Ithulier
Rae Lynn Prengaman
Jane Shershenovich'
Lawrence J. Carroll'
George S. Bardmesser
Daniel A. Klein'
Rodhey G. Maze
Jason D. Eisenberg
Michael A. Specht
Andrea J. Kamage
Tracy L. Muller'

Jon E. Wright*
LuAnne M. Yuricek*
Registered Patent AgentsKaren R. Markowicz
Nancy J. Leith
Ann E. Summerfield
Helene C. Carlson
Gaby L. Longsworth
Matthew J. Dowd
Aaron L. Schwartz
Angelique G. Uy
Boris A. Matvenko
Mary B. Tung
Katrina Y. Pei
Bryan L. Skelton
Robert A. Schwartzman
John J. Figueroa

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Timothy A. Doyle Jennifer R. Mahalingappa Teresa A. Colella Jeffrey S. Lundgren Victoria S. Rutherford W. Brian Edge

Senior Counsel Samuel L. Fox Kenneth C. Bass III Lisa A. Dunner

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' Admitted only in Virginia
-Admitted only in Texas
•Practice Limited to
Federal Agencies

June 25, 2003

WRITER'S DIRECT NUMBER: (202) 772-8520
INTERNET ADDRESS: TWOOD@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. (To Be Assigned); Filed: Herewith

For: High Data Rate Differential Signal Line Design for Uniform Characteristic

Impedance for High Performance Integrated Circuit Packages
Inventor: Amit P. AGRAWAL

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Allili I . AGICA WA

Our Ref:

1875.4140000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

High Data Rate Differential Signal Line Design for Uniform Characteristic Impedance for High Performance Integrated Circuit Packages

and naming as inventor:

Amit P. AGRAWAL

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A facsimile copy of the original executed Declaration;

Commissioner for Patents June 25, 2003 Page 2

- c. A specification containing:
 - i. 7 pages of description prior to the claims;
 - ii. 4 pages of claims (20 claims 2 Independent);
 - iii. a one (1) page abstract;
- d. <u>3</u> sheets of drawings: (Figures <u>1-3</u>);
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A facsimile copy of the original executed Assignment to <u>Broadcom</u> <u>Corporation</u>, recordation of which is hereby respectfully requested;
- 7. Two (2) return postcards; and
- 8. Credit Card Payment Form PTO-2038 for \$790.00 to cover: \$750.00 Filing fee for patent application; and \$40.00 Assignment recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Theodore A. Wood Attorney for Applicant Registration No. 52,374

Enclosures

::ODMA\MHODMA\SKGF_DC1;148587;1

Sterne, Kessler, Goldstein & Fox PLL.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Amit P. AGRAWAL

Appl. No. To Be Assigned

Filed: Herewith

For:

High Data Rate Differential Signal Line

Design for Uniform Characteristic Impedance for High Performance

Integrated Circuit Packages

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.4140000

Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Theodore A. Wood Attorney for Applicant

Registration No. 52,374

Date: June 25, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600